

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1-42. (Canceled)

43. (New) A data relocation method in a computer system comprising:

at least one computer for operating a database management system;

at least one storage apparatus for storing database data to be managed by said database management system, said storage apparatus including a plurality of physical storage devices;

storage control means connected between said computer and said storage apparatus, for controlling transfer of database data between said computer and said storage apparatus; and

a data position management server for managing positions of database data in said computer system, said method comprising the steps of:

acquiring, by said data position management server, information on a database to be managed by said database management system through said computer, said information on the database including table data and index data to said table data, with said index data having a tree-structure;

determining, by said data position management server, relocation of database data in said computer system on the basis of the information on the database thus acquired;

instructing, from said data position management server, said storage control means to migrate database data so as to prevent said storage control means from accessing said table data and said index data simultaneously in a same physical storage device; and

changing, by said storage control means, allocation of database data so that said table data and said index data are stored in different physical storage devices, respectively, according to an instruction from said data position management server.

44. (New) A data relocation method in a computer system comprising:

at least one computer for operating a database management system;

at least one storage apparatus for storing database data to be managed by said database management system, said storage apparatus including a plurality of physical storage devices;

storage control means connected between said computer and said storage apparatus, for controlling transfer of database data between said computer and said storage apparatus; and

a data position management server for managing positions of database data in said computer system, said method comprising the steps of:

acquiring, by said data position management server, information on a database to be managed by said database management system through said

computer, said information on the database including log data and database data other than said log data;

determining, by said data position management server, relocation of database data in said computer system on the basis of the information on the database thus acquired;

instructing, from said data position management server, said storage control means to migrate database data so as to prevent said storage control means from accessing said log data and said database data other than said log data simultaneously in a same physical storage device; and

changing, by said storage control means, allocation of database data so that said log data and said database data other than said log data are stored in different physical storage devices, respectively, according to instruction from said data position management server.

45. (New) A computer system comprising:

at least one computer for operating a database management system;

at least one storage apparatus for storing database data to be managed by said database management system, said storage apparatus including a plurality of physical storage devices;

a storage controller connected between said computer and said storage apparatus, for controlling transfer of database data between said computer and said storage apparatus; and

a data position management server for managing positions of database data in said computer system,

wherein said data position management server includes:

an information acquisition section that acquires information on a database to be managed by said database management system through said computer, said information on the database including table data and index data to said table data, with said index data having a tree-structure;

a relocation determination section that determines relocation of database data in said computer system on the basis of the information on the database thus acquired; and

a data allocation instruction section that instructs said storage controller to migrate database data so as to prevent said storage controller from accessing said table data and said index data simultaneously in a same physical storage device; and

wherein said storage controller includes a data allocation changer that changes allocation of database data so that said table data and said index data are stored in different physical storage devices, respectively, according to instruction from said data position management server.

46. (New) A computer system comprising:

at least one computer for operating a database management system;

at least one storage apparatus for storing database data to be managed by said database management system, said storage apparatus including a plurality of physical storage devices;

a storage controller connected between said computer and said storage apparatus, for controlling transfer of database data between said computer and said storage apparatus; and

a data position management server for managing positions of database data in said computer system,

wherein said data position management server includes:

an information acquisition section that acquires information on a database to be managed by said database management system through said computer, said information on the database including log data and database data other than said log data;

a relocation determination section that determines relocation of database data in said computer system on the basis of the information on the database thus acquired; and

a data allocation instruction section that instructs said storage controller to migrate database data so as to prevent said storage controller from accessing said log data and database data other than said log data simultaneously in a same physical storage device, and

wherein said storage controller includes a data allocation changer that changes allocation of database data so that said log data and database data other

Appl. No. 10/084,540
Amendment dated April 25, 2005
Reply to Office Action of January 26, 2005

ASA-1072

than said log data are stored in different physical storage devices, respectively,
according to instruction from said data position management server.